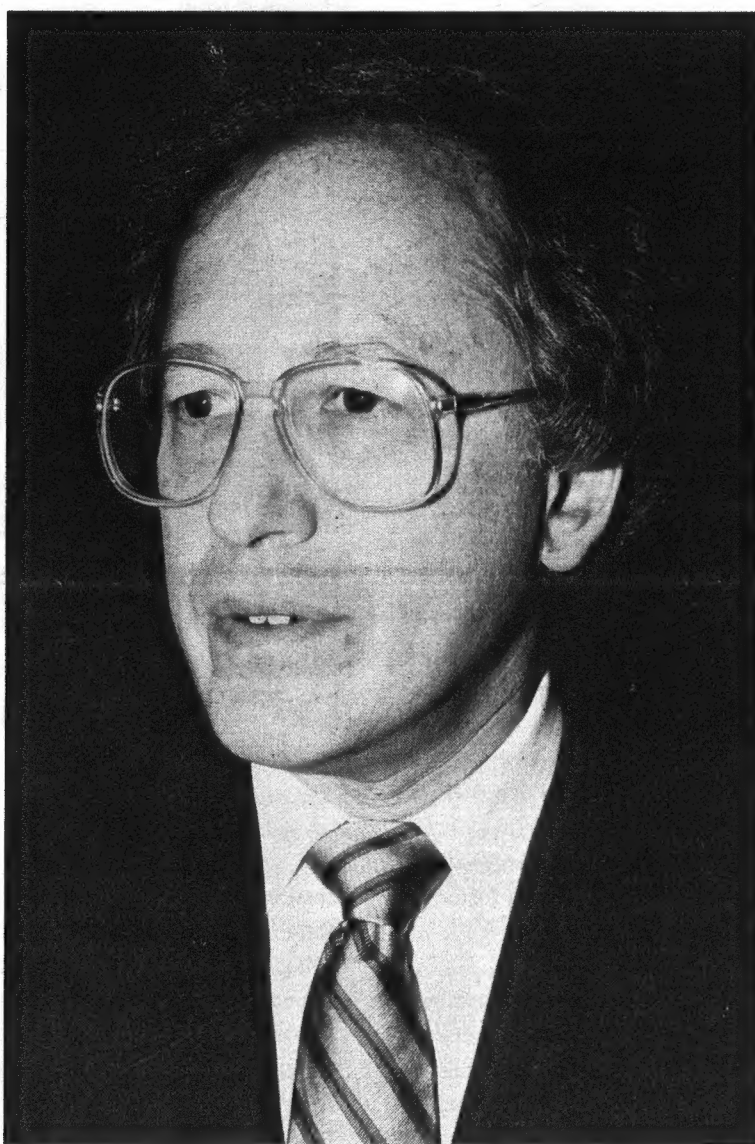


FOLIO

15 NOVEMBER 1990

CALLS FOR GREATER FOCUS ON CURRICULUM DEVELOPMENT

University submits brief to AUCC



Stuart Smith

Mission statement circulating

A mission statement for the University of Alberta came before the Board of Governors for discussion 5 November. The draft statement has been discussed by Deans' Council, the President's Advisory Committee of Chairs (PACC) and the Planning and Priorities Committee. Peter Meekison, Vice-President (Academic), who is guiding the progress of the mission statement, told the Board of Governors that, by and large, these bodies are reacting favorably to it.

General Faculties Council will convene a special meeting 19 November to discuss the mission statement.

Board Chair Stan Milner felt

that the first part of the opening sentence—"The mission of the University of Alberta is to be one of Canada's outstanding universities"—should read "The mission of the University of Alberta is to be Canada's outstanding university." That point has been debated and will undoubtedly continue to be debated, Dr Meekison said. The dilemma, he cautioned, is that the University can't be excellent at everything. "We don't have the resources or capacity for some things. We have to be more selective," he said.

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A greater focus on curriculum development and evaluation within universities should be encouraged, the University of Alberta stated in a brief presented to the Commission of Inquiry on Canadian University Education last Thursday.

This could be done by providing adequate funding for curriculum revision and research dealing with university teaching and through recognition of this type of work in the promotion and salaries process.

The Commission, headed by Stuart Smith and established to inquire into the status of university education in Canada, heard from the U of A that the 1988 Knapper Report on teaching effectiveness at the University recommended major shifts in curriculum content. Those changes included a decrease in program requirements and formal teaching, so that students could be involved in the development of independent learning and more generic cognitive skills.

"Such a move will be controversial within academe and will need a great deal of administrative support to achieve changes," stated the brief, presented by Brian Evans, Associate Vice-President (International Affairs), Franco Pasutto (Pharmacy), and Graham Fishburne (Elementary Education).

On the issue of monitoring teaching performance, the brief outlined that student evaluations are the main method of monitoring teaching performance. The presenters told the Commission that the Committee for the Improvement of Teaching and

Learning has provided a resource document outlining and evaluating a large number of methods to monitor teaching performance. That document has now been broadly circulated to Deans and Chairs. "However, such increased scrutiny of teaching is not uniformly supported."

On institutional relations, the brief stated that the University is looking at expanding the delivery of university programs in the public colleges. "We have recently initiated a joint program in nursing with Red Deer College which will allow students to complete a University of Alberta nursing program while in

"SUCH INCREASED SCRUTINY OF TEACHING IS NOT UNIFORMLY SUPPORTED"

attendance at Red Deer College.

"We are looking into a similar approach in offering an education degree at Grande Prairie Regional College."

The brief goes on to state, "We may need to rationalize the duplication of certain programs within every province. We may need to look toward greater regional cooperation in offering certain expensive programs. For example, the veterinary medicine program in Saskatchewan allows for the enrollment of Alberta students."

Citing dwindling resources,

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INSIDE

- Remembering Andrew Stewart
- 'Plain' speaking on health care costs
- Fall Convocation opens today
- Parks Canada can learn from Australians

GSA court challenge heard last week

Is the minimum instruction fee charged to graduate students a fee for instruction and is it subject to the 15 percent limit on instructional fees set by the Minister of Advanced Education?

Counsel for the Graduate Students' Association (GSA) argued before Justice Perras last Thursday that the fee, increased by the University from \$52 per term to \$249 per term, is indeed an instructional fee and subject to the 15 percent ministerial limit.

Counsel for the University, on the other hand, asserted that nothing in the way the [University] *Calendar* categorizes the various fees is relevant to the issue before the court. Moreover, counsel representing the University pointed out that the University had referred the matter to the Advanced Education Department and, based on advice from the Attorney General's Department, was told the fee was not subject to the 15 percent limit.

Counsel for the GSA argued that no reasons were given by Advanced Education officials, only to say that an opinion had been sought from the Attorney General's Department. Counsel

for the GSA went on to argue that the words "minimum instruction fee" should be given ordinary meaning and indeed do convey the idea of instruction.

Justice Perras said, "Really, the argument is that if these fees are instructional, then it [the University] needs ministerial approval or must be limited to 15 percent."

Counsel for the University, citing other jurisprudence, argued for an interpretation of broad Board of Governors power, while counsel for the GSA countered by saying the only relevant jurisprudence was the recently decided Students' Union challenges to the library and computing fees. In that unsuccessful challenge, which was appealed and heard by the Court of Appeal, the court found that the fees in question were "other fees."

Counsel for the University argued that it was not important to look at the labels attached to various fees, but at what's been charged traditionally. Counsel for the GSA said it was important to look at the history, substance and proportionality of the fees. "I submit it's a fee for instruction," said GSA counsel Ken Wakefield.

Justice Perras, acknowledging the complexities of the arguments, said he would not render a decision immediately, but would hope to rule on the case in about one month.

ANDREW STEWART GUIDED UNIVERSITY IN '50s

Government chose wisely

When Dr [Robert] Newton informed the Premier of his decision to retire as President, the government chose Professor Andrew Stewart to succeed him, at a salary of \$8,000 per annum," Walter Johns wrote in his *A History of the University of Alberta 1908-1969*. "Professor Stewart was a good choice, for he had a long acquaintance with the university dating back to his appointment as lecturer in Political Economy in 1935 and had gained administrative experience as head of his department, Director of the School of Commerce, and finally in 1949 as Dean of Business Affairs. He was a man of great energy and competence, well liked by his colleagues and students, and dedicated to the university and the responsibilities of his office."

Latter day Presidents Harry Gunning and Myer Horowitz, current President Paul Davenport, and Francis Winspear, one of Dr Stewart's closest friends, brought reminiscences of the late President to a Remembrance Service in Athabasca Hall 6 November.

Dr Stewart, who died last July at the age of 86, was President from 1950 to 1959. "He helped shape the University and left a legacy of collegial government," President Davenport told the capacity gathering which included Mrs Jessie Stewart, the Stewarts' six children and three of their 11 grandchildren, and Mrs Walter Johns.

Both Dr Stewart's doors (office and home) never closed, and students, in particular international students, beat a path to the Stewart residence. In 1958 Dr Stewart organized a formal admission ceremony for new students.

President Davenport spoke of Dr Stewart's foresight, noting that in 1957 he purchased the University's first digital computer for \$50,000.

Dr Gunning, who was President from 1974 to 1979, described Dr Stewart as a very warm, caring man. His concept of the University was that it be a fine, modern university, but a small university where people knew one another, Dr Gunning recalled. He went on to say that shortly before leaving the

presidency to chair the Board of Broadcast Governors in Ottawa, Dr Stewart said, "Harry, I assure you the University will never grow beyond 5,000 students."

Dr Horowitz reminded the gathering that the University experienced a good deal of growth in the 1950s and that Dr Stewart also had to busy himself with new relationships with government, new programs and the new Faculty of Graduate Studies which he was instrumental in establishing.

"Andrew Stewart was my concept of a very great Canadian," Dr Winspear said. He remarked that Dr Stewart was a member of five royal commissions (two federal and three provincial), and that "he never failed to take an interest in his fellow countrymen."



Keepers of the flame: Mrs Jessie Stewart and (left to right) Harry Gunning, Paul Davenport, Myer Horowitz and U of A benefactor Francis Winspear recall the late Andrew Stewart. Another former President, Max Wyman, was unable to attend the service because of illness.

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University
of
Alberta

Statement

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Governor Bill Milnthorp pointed out that the statement contained no reference to graduates' support of the University in the future. Mr Milner replied that such reference could be incorporated into the "Service to the Community" section.

Karin Powys-Lybbe, undergraduate student representative on the Board, proposed the inclusion of a statement to the effect that the University take on a wide responsibility concerning the support of new initiatives, and

that it encourage and foster creativity.

At the heart of the University's mission is "a belief in the vital interaction between university teaching and research, between undergraduate and graduate studies, and between internationally recognized academic excellence and service to the community."

In his covering letter, President Paul Davenport says the term "mission statement" is defined as "a philosophical statement of overall purpose and direction which will guide the

institution's development over the long term. This statement should relate the institution's purpose to the educational needs and goals of society. An institution's statement of purpose is expected to remain relatively constant over time." (Reference: Alberta Advanced Education document titled *Guidelines for System Development*.)

Should GFC approve the mission statement on either 19 November or at its regular meeting 26 November, the document will come before the Board of Governors for their

approval 7 December. (The meeting will be held at the Westin Hotel.)

In other news, the Board Educational Affairs Committee announced the reappointments of Edgar King (Chair, Department of Family Medicine), Peter Mitchell (Chair, Department of Obstetrics and Gynecology) and David Tyrrell (Chair, Department of Medical Microbiology and Infectious Diseases).

The reappointments are for a five-year term effective 1 July 1991.

AUCC

Continued from page 1

the brief stated, "We feel strongly that access should not overrule the demand for quality education. Students who are admitted to this institution deserve to receive a high quality education. This means we must manage our enrollment within the limits of our financial and space resources. As we have attempted to manage our numbers by increased admission

and internal promotions standards, some students have perceived these changes as real or perceived barriers to a university education.

"Financial management has taken on a new and draconian understanding," the brief stated. "While money isn't everything, the resolution of the financial problems of universities looms large in influencing the direction

and scope of the university of the future."

Established by the Association of Universities and Colleges of Canada, the Commission is an independent body. Dr. Smith assisted by a small research staff and several advisers. The Commission is holding hearings across the country and is expected to release its report in October 1991.

The Commission is specifically looking at the educational mission of Canadian universities and how that mission might be revitalized.

Next week's *Folio* will contain a second report on the hearing conducted in Edmonton.

Plain says it's time for 'outbreak of common sense' on health care costs

Health care economist Richard Plain

Richard Plain is still waiting for an "outbreak of common sense" on the medical services funding front. But it doesn't appear that he's holding his breath.

The health care economist said the province still has wide-open medicare budgets and "a willingness to put physicians providing nursing care in various settings." Furthermore, he said, the province is paying for it at physicians' [payment] rates."

Speaking on the nursing role in controlling medical services utilization costs, a lecture sponsored by the Nursing Graduate Students' Association 5 November, Dr Plain said, "As long as that continues to happen, nothing will change."

Dr Plain challenged nurses to work with "some of their friendly neighborhood health care economists to see whether we can get a better grip on costs to satisfy ourselves ... to determine whether it's reasonable what we're doing with the resources being deployed."

He said it is important to understand why there is a continuing escalation of costs for medical services and determine if a positive health status outcome is linked to those spiralling costs, rather than just the creation of more employment.

He said it doesn't make sense to continue to allow any number of physicians to enter the system and be employed, while at the same time hospital beds are continuing to be closed and nurses and other staff people are being sent home.

One way of providing a more economical system, Dr Plain suggested, would be to use our nursing personnel in an expanded role. "The means and the vehicle are there, if the will and the pressure are there to do that. I believe the economics are very strongly on your side to do it. But it's going to require some closure on medical budgets, though."

"There are no add-ons if you rationally plan the system. You put a budget in for Medicare in the same way you do with hospitals. You identify your needs and you utilize your people in appropriate mixes."

Dr Plain said another longer term issue that must be examined is the substitution of nursing and other occupational services in place of physicians' services. He said one of the province's success stories in lowering costs has been the substitution of the public health nurse to provide services once provided by general practitioners.

He suggested that demonstration projects should be attempted to determine how best to use the system's personnel in a more economically efficient way, while at the same time maintaining the quality of outcome.

"We've got a very traditional system and we've been locked in a time warp in this province since the inception of Medicare. Now there are lessons to learn from experiments in Ontario, Quebec and a number of other places," he said, adding that it is going to be necessary to lobby politicians.

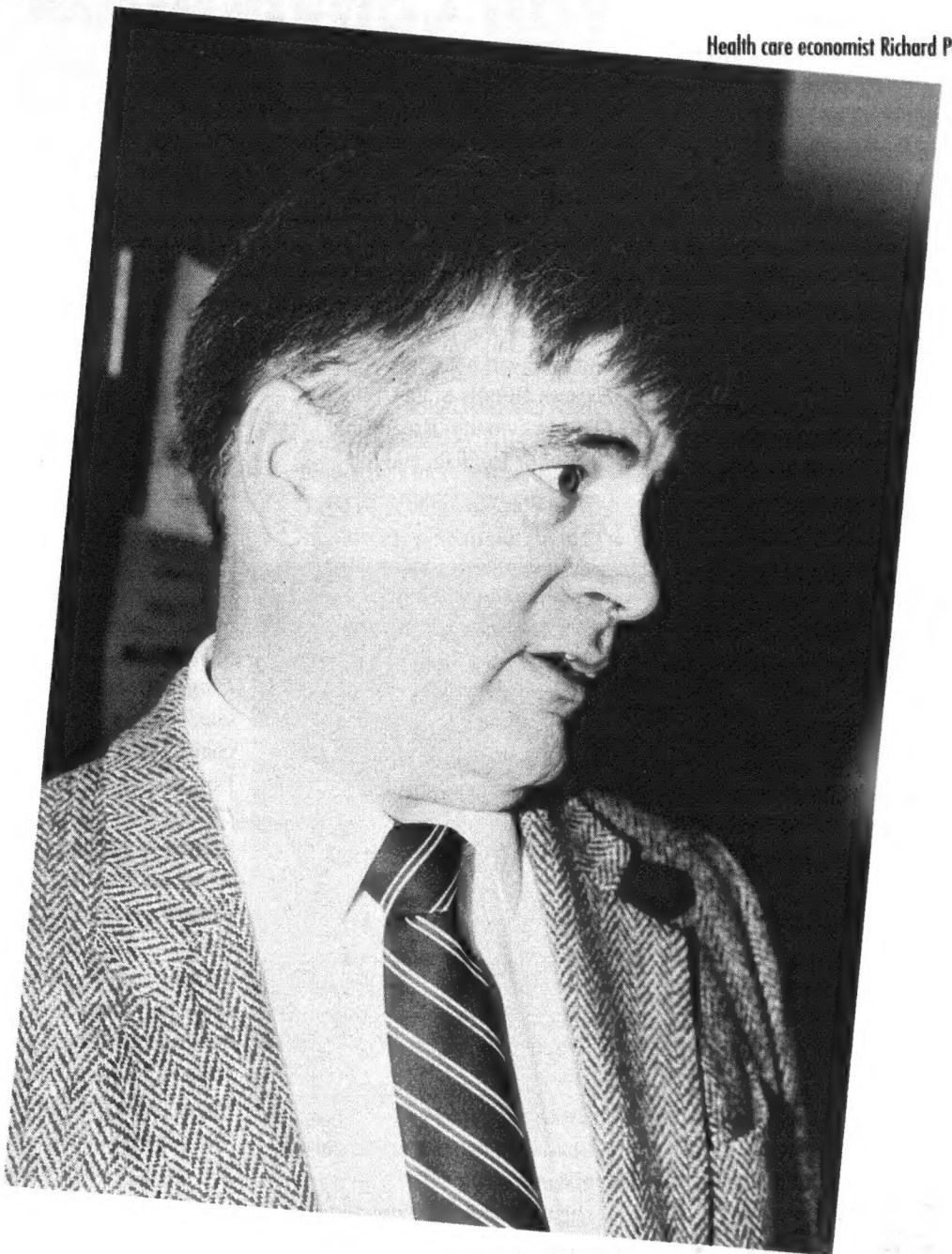
Dr Plain pointed out that during the 1970s and early '80s, the province's medical services per capita increased at a fairly modest rate, but after that period the province was faced with an astronomical increase. And the numbers of services per patient that were relatively stable from

1973 to 1982 were also followed by an increase of about 25 to 30 percent.

He said the province had a relatively stable population-physician ratio during the 1970s and early '80s, but from 1983 to 1987 the numbers of physicians

grew by about three and one-half to four percent each year.

"The bottom line is that we've got a problem. Faced with these major escalations of medical services utilization costs, the question is why and what do we do about it?"



LETTERS

A CONTORTION OF GFC POLICY?

Apparently, advances in logic—as in so many things, alas—have quite passed me by. How else to explain the fact that the new hiring policy of Religious Studies (recently publicized in *Folio*), which by old-fashioned standards of reasoning is in flat contradiction with the employment policy of General Faculties Council, is nonetheless endorsed by a high University administrator as "satisfying all legalities", who furthermore "hopes that other departments will consider taking the same course of action".

But GFC, whose jurisdiction over this and other policy areas was recently reaffirmed by the President, states as its first "Basic Principle" that "Employment decisions shall be made on the basis of merit"—period. And its second such principle expressly prohibits any sort of discrimination: "Every individual is entitled to be considered without discrimination and in particular, without discrimination because of race, religious beliefs, colour, sex, physical disability, marital status, age ancestry, or place of origin." Now, this prohibits all discrimination, pro or con, since recruitment cannot be biased in favor of a certain group of individuals without its being prejudicial to the interests of individuals not in the favored group. It doesn't take a philosopher to see that.

Yet according to the new policy announced by Religious Studies, "Merit remains the primary criterion for employment; however, gender is a further criterion to be considered ..." (emphasis added). And, we're told, despite the understandable trepidation the acting chairman felt in introducing this policy, it "passed unanimously" in the department's council meeting. Unanimously? It's enough to make one believe in miracles, or at least ecumenicism. Is no one in Religious Studies aware of GFC's employment policy? Or are they—unanimously!—of the

view that it does not pertain to them for some reason (perhaps believing themselves subject instead to a still higher authority)? Or do they use a different mode of "reasoning" altogether, one more akin to that of administrators wishing to placate special political interests while still paying lip service to justice? For surely we credit anyone seeking employment at our University—even a white male!—with enough intelligence to appreciate that an advertisement "making it clear that we are particularly interested in attracting qualified female candidates" means in practical terms that male candidates will not get a fair shake. One doesn't have to come right out and say "Irish need not apply" in order to get the point across.

The logical contortions of the announced policy would be merely amusing had they issued from some football league trying to manage "equal access" to its locker-rooms for journalists of whatever "sexual preference" (my solution, cribbed from a very ancient source, is have everyone be naked, journalists and athletes alike). But we are speaking of a university here, an institution supposedly distinguished by intellectual probity and courage (not sophistry and sycophancy), committed to rational clarity (not obfuscation), exemplary in the fairness of all its judgments, and ruled by a love of truth (not fashion). So far as I can judge—but handicapped as I am by ignorance of any modes of logic more advanced than Aristotle's—the motives militating this new outlook on hiring not only jettison centuries of efforts to attain equal justice, they attack the very essence of a university.

Leon H Craig
Department of Political Science

The University of Alberta 1990 Fall Convocation will be held 15 and 17 November at 2 pm in the Jubilee Auditorium.

Vice-President (Administration) Allan Warrack will give the Report to Convocation on the 15th; President Paul Davenport will perform the same duty on the 17th.

Honorary degrees will be awarded to Alison White CDLitt, 17 November), David Vice (LLD, 17 November) and Gordon Peacock (LLD, 15 November).

The following is taken from a tribute to Professor Emeritus White that was written by Juliet McMaster for her colleagues in the Department of English.

ALISON WHITE, DAVID VICE, GORDON PEACOCK TO RECEIVE HONORARY DEGREES

Fall Convocation 1990

Our own Alison White is to receive an honorary degree at Fall Convocation, 17 November. This great honor is in recognition of her achievement as a pioneer in the study of children's literature, and of her years of devoted service to the community.

Alison was born in Illinois, and received her degrees from Eastern Illinois State College, Ohio University, Bread Loaf School of English, and the

University of Iowa. She came to Canada in 1956, and has become a Canadian citizen. As Henry Kreisel related in his article in *Folio* of 4 May 1989, the English Department sought her out to teach the course in children's literature which the Education Department demanded, but which no one then in the English Department wanted to teach.

She made a virtue of necessity. She brought to the field her rigorous scholarly standards, as well as her knowledge and her imagination. "She showed us how to read (or reread) *Mother Goose*, how children were treated in the old Ballads, how *Pilgrim's Progress* could be read as a fairy tale," records Henry Kreisel, her chairman of those days. Francelia Butler, long-standing editor of *Children's Literature*, the major journal in the field, writes of Alison's "seminal articles," and used two of them for the opening issue. As children's literature courses were instituted at the other major universities in Canada and the US, Alison was often called upon to set them up. In major ways she showed us how it was done. Now the English Department has a number of courses in children's literature, including one at the graduate level. It has instituted a prize in her name for the best student in a children's literature course.

Alison's teaching was not limited to children's literature. For many years she taught the honors seminar in practical criticism, and so had an important influence on many of our best students. She also supervised several master's theses. In the year she retired she gave the department's Broadus Lecture Series, on the eighteenth-century poet Christopher Smart, who has been the subject of her PhD dissertation.

Besides doing her own work she has always been generous in promoting that of her students and colleagues. Before she came to Alberta she assisted René Wellek and Austin Warren in their great critical work, *The Theory of Literature*. Prominently in their preface they thank her "for close, devoted assistance throughout the composition of this book." It was to be the first of many tributes. When our colleagues Patricia Demers and Gordon Moyles published their anthology of early children's literature, *From Instruction to Delight*, with Oxford University Press, they dedicated it to Alison, "Colleague, mentor, friend." A similar dedication appears in a recent book of verse for children, Gwen Molnar's *I Said to Sam*. Alison has always helped the work of others to happen.

For many years, she judged the *Edmonton Journal's* poetry competition, handling literally thousands of entries, and always with assured judgment and tact. She also reviewed for the *Journal*, writing about 90 reviews for them over the years.

David Vice, currently Vice-Chair of Northern Telecom Ltd, spearheaded the firm's drive to a prominent position in the telecommunications technology industry. In Alberta, Mr Vice was largely responsible for the creation of more than 1,000 jobs in two manufacturing facilities in Calgary and corporate offices in Edmonton. Northern Telecom manufactures more than \$275 million in digital telecommunications equipment each year in the province.

Mr Vice has also been instrumental in creating a number of projects associated with Northern Telecom: the Alberta Telecommunications Research Centre, the Alberta Laser Institute, Alberta Microelectronic Centre and the Electronic Test Centre.

Mr Vice is active in the public policy process and is the first

Vice-Chair of the Canadian Manufacturers' Association (CMA) and chairs the CMA's Task Force on Business-Education Relations in Canada. He is a member of the US Congressional Award International Committee, the Premier's Council of Ontario and the Aspen Institute for Humanistic Studies, and is the honorary Chair of the Canadian Native Arts Foundation.

Without Gordon Peacock's vision and energy, plans for the University's Drama Department might have gone gently into the good night. As it was, he coaxed and cajoled and pulled strings so effectively that the department was established in 1964. He also played a large part in the offering, beginning in 1968, of the BFA in Acting and Directing, and the Master's in Playwriting, beginning in 1969.

Professor Peacock was the first Chair of the Banff Centre's theatre division. He travelled to this University's Fall Convocation from the University of Texas where he is Frank C Erwin Centennial Professor of Drama.

ACROSS CANADA

MCGILL AND MONTREAL PRODUCE FIRST NURSING PHD

The country's first PhD nursing graduate will pick up her degree at McGill University's Fall Convocation ceremonies. Francine Ducharme, a nursing instructor at Université de Montréal, completed her thesis on the needs of elderly couples.

McGill is offering PhD training to nursing candidates on an ad hoc basis. Meanwhile, the two universities are awaiting word from the provincial government on whether or not a joint PhD program will be funded.

GUELPH PLANS WINTER ADMISSION CUTS

The University of Guelph has decided to cut drastically the number of students admitted in January 1991 to relieve the pressures caused by this fall's record enrollment of 12,000 full and 1,600 part-time undergraduate students.

No more than 200 new full-time and part-time students will be admitted at the normal January admission point. Normally, the university admits 600 students at that time.

UVIC HAS A NEW CHANCELLOR

Former British Columbia Lieutenant-Governor Robert Rogers has been named the University of Victoria's new chancellor. His appointment is effective 1 January 1991. In other news, David Strong was formally installed late last month as the university's president.

U OF T ENGINEERS TOLD TO RECRUIT MORE FEMALE FACULTY

The University of Toronto's Faculty of Applied Science and Engineering should more aggressively recruit female students and faculty, a recently released report has recommended. The Task Force on Professional Image and Women in Engineering also recommends that female engineers from industry be appointed as adjunct professors on a contract basis.

DALHOUSIE RAISES TUITION FEES

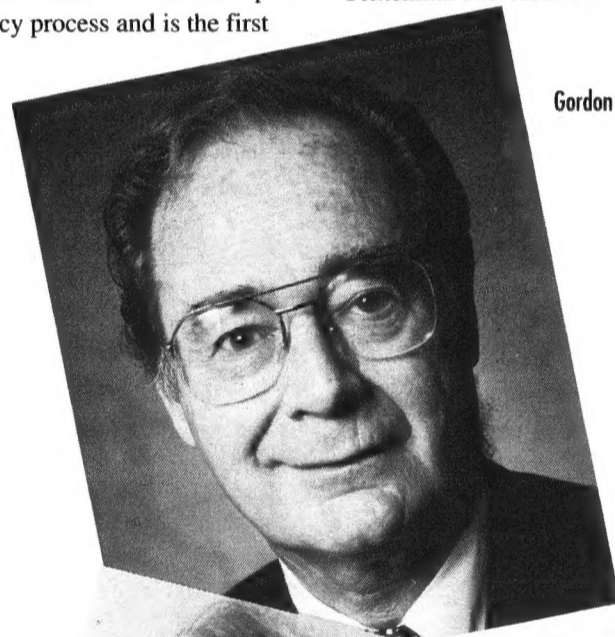
Dalhousie University's Board of Governors voted recently to raise tuition fees. The university's Students' Union wanted the increases to be phased in over two or three years. The increase in the Faculty of Arts and Social Sciences is \$425 (from \$1,770 this year to \$2,195 next year). Fees in the Faculty of Science will increase by \$530.

MEMORIAL EXPERIENCES BIG ENROLLMENT INCREASE

Memorial University has experienced a dramatic increase in enrollment this fall. Full-time enrollment was up by about seven percent. University officials had predicted a two percent increase. Enrollment is up in virtually every student category and at the university's satellite campuses.

WESTERN STUDENTS, STAFF PROTEST FUNDING CRISIS

Students at the University of Western Ontario were joined in a march early this month by faculty members and administrators in protesting what they say is chronic government underfunding of universities. President George Pedersen participated in the march.



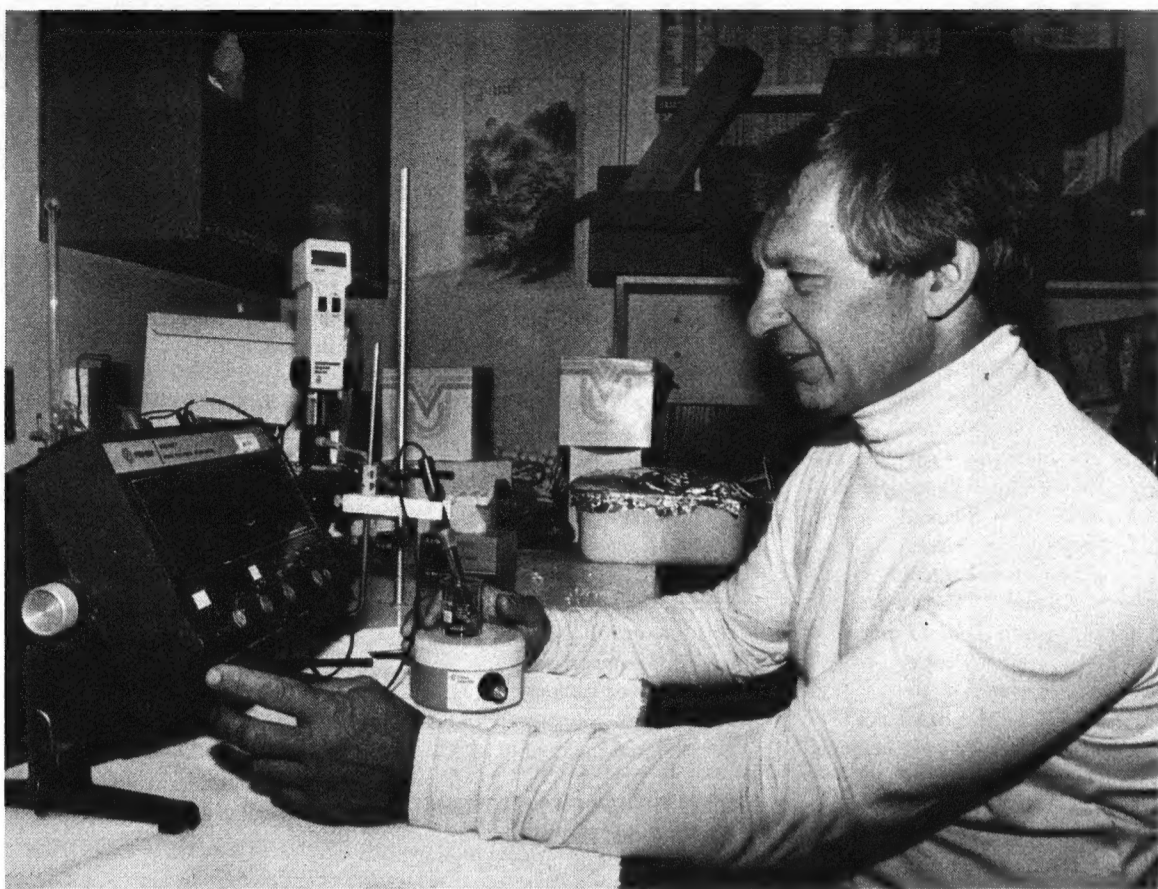
Gordon Peacock



Alison White



David G Vice



The U of A's David Schindler, a member of the first Alpac Review Panel, says the panel simply didn't have enough information to make an informed decision.

Model exists to govern forest developments, Schindler says

The province is missing the boat by not having a comprehensive approach to planning forest developments and this is inexcusable because it's been going on in Canada for at least 15 years, says Killam Professor David Schindler.

"The model has been the International Joint Commission's (IJC) plan for the Great Lakes; they had discovered that by the mid-1960s they couldn't deal with the Great Lakes based on water quality alone," the member of the province's first Alpac Review Panel said 26 October.

"Beginning in 1976, they set up what they called an ecosystem approach; they had three expert committees, one societal, one economic, and one ecological, that advised the scientific advisory board. That board then advised the IJC commissioners on what they should be telling the two governments."

The first chair of that ecological committee of the group said it "functioned reasonably well. The IJC has done some pretty remarkable things—slow but still remarkable."

Dr Schindler said that at the review level there are still all sorts of problems, "and I don't think they're going to be solved by the new federal legislation. Basically, because all of these panels are still advisory to ministers, none are backed by any legal process or have any subpoena power, and the ministers can still slant them any way they want."

"They can stack a review panel the same way they do a court," he said. It may take a few years to do this for a panel that

would sit more or less on a permanent basis. "If it's chosen on a project-to-project basis, obviously it's pretty easy to do. I frankly think that provincially they thought they had stacked our panel [the first panel set up to review the Alpac pulp mill], but it didn't turn out that way."

"And then, of course, if you don't think that's stacked enough, you can squeeze the terms of reference down to eliminate anything controversial, and do like they did with Alpac two, don't put anything environmental in it if you think there are any environmental things in it that might be nasty."

In the end, if governments don't like what the panels say, they can bring in the old constraints "under the sustainable development banner" and go ahead anyhow. "I'm not saying they will necessarily monkey around with the process, but the potential is there at almost every level."

Speaking to a standing room only audience, Dr Schindler said the post-development phase is really very important. "A typical EIA is just a snapshot in time, they sign some things, and then go away and let the companies proceed as they will, with the exception of some things like routine water quality monitoring if it's an industry on a river."

"But basically the monitoring and the followup is usually not enough to uncover any surprise things that weren't anticipated in the EIA; there's usually very little attention paid to any amelioration or mitigation." He added that if initial assessments of develop-

ments are weak in the first place, "which they have to be if there's very little data going into them," then there is a greater potential for unforeseen occurrences in the post-development phase.

Focusing his remarks on water issues as they relate to the pulp industry in general and the proposed Alpac development specifically, Dr Schindler said the first Alpac panel's conclusion that there simply wasn't enough information to make a reasonable decision was the most difficult for politicians to accept.

"There were organochlorine analyses, but only on fish and only right around pulp mills, except for a few samples on the section of the Slave River above Great Slave Lake. There were some models of dissolved oxygen that were quite good, but really didn't have good sediment-oxygen demand parameters and other things in them. There was no data on distribution of fish, except for below the Grand Rapids. So, basically, there were thousands of kilometres of river channels that we didn't have any appropriate background material on."

"Knowing that our only enforcement tools are things like the Fisheries Act, which the bureaucrats won't activate unless there's proof of damage, this leaves a huge catch 22. If you don't know what's there, how do you know when it's been affected? So there's a legal background for the decision we made, as well as an ecological one."

Lewis says Parks Canada staff can learn from Australians

There's not just one kind of ecological knowledge, Henry Lewis (Anthropology) said 2 November in a lecture sponsored by the Canadian Circumpolar Institute.

"Nor should society automatically assume that what science knows at this point is better or more complete. It may only be different. And we now know that there's not just one kind of ecological knowledge or ecological system out there," he said. "There's a whole variety and it all depends on the kinds of questions we ask of it."

Comparing the Australian and Canadian experiences, Dr Lewis said, "For all the problems, Australian national and state governments have made and continue to make efforts to incorporate traditional ecological knowledge and traditional practices in the operation and decisionmaking of an increasingly large number of their national parks."

"For a country that has an even worse record of dealing with its 'first people', it has a much better record of incorporating and establishing parks and reserves that include traditional beliefs and practices than does Canada."

"I think we should look at the Australian example," he said. "And I think there could be no better place than northern Alberta to see about applying those ideas and developing reserves and

provincial parks that involve people in that management process and decisionmaking."

Dr Lewis, who has studied extensively the Slavey Indians in the northern part of the province and their traditional ecological knowledge of the boreal forest, said, "If that were the situation today, there might be some interesting ideas to apply to the 'problems' in Wood Buffalo Park."

Dr Lewis compared the traditional ecological knowledge found among Indians in northern Alberta and the aborigines in the northern region of Australia, focusing primarily on the use of fire by both groups to affect habitat.

He emphasized that "there's nothing about traditional ecological knowledge that should particularly excite those who hold to a romanticized view that traditional people had no effect on the environment or lived in somehow perfect harmony with their surroundings." But, he cautioned, "traditional environmental knowledge and management practices should neither be dismissed or accepted out of hand."

What is unfortunate, Dr Lewis pointed out, is that traditional ecological knowledge is being lost in northern Canada.

DR PAUL DAVENPORT
cordially invites you to attend the
HOROWITZ PORTRAIT UNVEILING
and an informal wine and cheese
reception in honor of
Dr and Mrs Myer Horowitz
to be held in the foyer of
the Myer Horowitz Theatre
of the Students' Union Building,
Thursday, 29 November 1990
at 5:30 pm

Please RSVP to 492-5660
by 21 November 1990

EVENTS

TALKS

CLOTHING AND TEXTILES

15 November, 1 pm
Vjera Bonifacic, "Lacemaking in the Island of Pog, Yugoslavia." 131 Home Economics Building.

CHEMICAL ENGINEERING

15 November, 3 pm
William A Ayer, "Club Moss Alkaloids and Alzheimer's Disease." E342 Chemical-Mineral Engineering Building.
22 November, 3 pm
Piotr Zielinski, "Application of IR Spectroscopy to Studies of Polymerization of Ethylene." E342 Chemical-Mineral Engineering Building.

ANTHROPOLOGY

15 November, 3:30 pm
Jacques Cinq-Mars, Archaeological Survey of Canada, Canadian Museum of Civilization, "Eastern Beringian Palaeoecological and Archaeological Explorations: Recent Evidence from the Bluefish Caves and Neighbouring Karst Regions, Northern Yukon." 14-6 Tory Building.
23 November, 3:30 pm
Regna Darnell, Department of Anthropology, University of Western Ontario, "Consequences of the Symbolic Approach to Culture." 14-6 Tory Building.
27 November, 3:30 pm
Susan Pfeiffer, Department of Human Biology and Kinesiology, University of Guelph, "Interpreting Robusticity in the Evolution of Homo Sapiens." 14-6 Tory Building.

HISTORY

15 November, 3:30 pm
Alexander Woodside, Department of History, University of British Columbia, "The Continuing Riddle of Ho Chi Minh." 2-58 Tory Building.
16 November, 3 pm
Professor Woodside, "An Historian Looks at the Chinese Political Crisis." TB-W1 Tory Building.
21 November, noon
Heorhii Kasianov, Institute of History, Academy of Sciences of the Ukraine SSR in Kiev, "Ideological Specters of Stalinism in Ukraine, 1920s and 1930s." 2-58 Tory Building.
28 November, 3 pm
Jennifer Jay, "Prefaces and Jottings on Women in Thirteenth-Century China." 1-9 Business Building.

SLAVIC AND EAST EUROPEAN STUDIES

15 November, 3:30 pm
William Noll, ethnomusicologist, Harvard Ukrainian Research Institute, "The Seminal '90s: A Comparison of Ethnographic Research in Ukraine in the 1890s and 1990s." Sponsor: Huculak Chair of Ukrainian Culture and Ethnography. 141 Arts Building.
16 November, noon
William Noll, "Ukrainian Epic Song Tradition. The Duma 'Nevolnytskyi Plach' from the 1870s to 1990." Sponsor: Music. 1-29 Fine Arts Building.
16 November, 3:30 pm
William Noll, "From a Social History of the Village Musician: *Muzykani Kobzar* and *Lirnyk* Before and After Collectivization." Sponsor: Huculak Chair of Ukrainian Culture and Ethnography. 141 Arts Building.
22 November, 3:30 pm
Larissa J Klein-Tumanov, "An Introduction to the Life and Works of Daniil Kharms, a Humorist and Absurdist Writer" (in simple Russian,

accessible to most students). 436 Arts Building.

ENTOMOLOGY

15 November, 4 pm
Allan Ashworth, Department of Geology, North Dakota State University, "Climatic Change and Biodiversity in the Beetle Fauna of Central Chile." TB-W1 Tory Breezeway.
22 November, 4 pm
Brian Brown, "Ant Killers and Slug Suckers: Natural History and Reclassification of the Phoridae (Diptera)." TB-W1 Tory Breezeway.

BOTANY

15 November, 4 pm
AA Szalay, "Monitoring Auxin Regulated Gene Expression During Tobacco Morphogenesis." M-149 Biological Sciences Centre.

ART AND DESIGN

15 November, 5 pm
Catherine Wild will talk about her creative work in printmaking and mixed media.
2-20 Fine Arts Building.

INTERDISCIPLINARY MATERIAL CULTURE LECTURE SERIES

15 November, 7:30 pm
Gregory Forth, "Indonesia: Meaning in Nage Material Culture." 207A Law Centre.

PHYSICS

16 November, 2 pm
A Kostecky, Los Alamos, "String Theory." V-121 Physics Building.
23 November, 2 pm
S Murphree, University of Calgary, "The Earth's Magnetosphere." V-121 Physics Building.

ZOOLOGY

16 November, 3:30 pm
Max Blouw, Department of Zoology, University of British Columbia, "Are Spineless Males Wimps? Genetics and Fitness Consequences of Pelvis Reduction in a Stickleback." M-149 Biological Sciences Centre.
23 November, 3:30 pm
Lawrence Wang, "Traditional Chinese Remedies: Fact or Fiction." M-149 Biological Sciences Centre.

GEOGRAPHY

16 November, 3:30 pm
John Wilson, "A Powerful New Analytical Solution for the Dispersion of Particles in Turbulent Flow." 3-36 Tory Building.

GENETICS

16 November, 4 pm
Poppo Boer, University of Ottawa Heart Institute, Ottawa Civic Hospital, "Scrambled Gene Pieces in Mitochondrial DNA." G-217 Biological Sciences Centre.

ENGLISH

19 November, noon
Sheila Watson Reading Series—Margaret Christakos, author of *Not Egypt* (poems), and Nancy Chater, author of *Bodies of Knowledge: Fear* (poems), will read from their work. L-3 Humanities Centre.
22 November, 12:30 pm
Sheila Watson Reading Series—Bert Almon, poet, will read from his new book, *Calling Texas*. L-3 Humanities Centre.

NURSING

19 November, 12:10 pm
V Bergum, PA Field, A Pagliaro, "Writing for Publication: A Panel." 6-101 Clinical Sciences Building.

RURAL ECONOMY

19 November, 3:15 pm
Douglass G Norvell, Western Illinois University, "The Export of Non-Traditional Agricultural Products from Developing Countries to North

America." 519 General Services Building.

ROMANCE LANGUAGES, ENGLISH AND COMPARATIVE LITERATURE

Paolo Valesio, professor, Italian Linguistics and Literature, Yale University, will present the following series of lectures and seminars.

The following are the lectures under the general title "Rhetoric and Silence":

19 November, 4 pm
"The Worlds of Silence." L-2 Humanities Centre.

21 November, 4 pm
"Literary and Philosophical Perspectives on Silence." L-2 Humanities Centre.

26 November, 4 pm
"A Silentiary Experience: *The Little Flowers of Saint Francis*." 5-20 Humanities Centre.

28 November, 4 pm
"The Question of Silence Between Theology and Literature." 5-20 Humanities Centre.

The following are the seminars under the general title "Italian Symbolism and Futurism in Their European Context":

22 November, 4 pm
"Gabriele D'Annunzio and Italian Symbolism." Senate Chamber, Arts Building.

30 November, 4 pm
"Filippo Tommaso Marinetti and Italian Futurism." Senate Chamber, Arts Building.

1990 HERITAGE MEDICAL RESEARCH DAYS

19 November, 7 pm
Eric Shooter, professor, Department of Neurobiology, Stanford University School of Medicine, "Nerve Growth Factor—From Molecule to Memory." Bernard Snell Hall, Mackenzie Health Sciences Centre.

20 November, 8:45 am
Monte Westerfield, director, Institute of Neuroscience, University of Oregon, "The Specification of Neuronal Cell-Fate in Zebrafish Embryos." Bernard Snell Hall, Mackenzie Health Sciences Centre.

20 November, 10 am
Ronald M Lindsay, program director, Neurobiology, Regeneron Pharmaceuticals Inc, "The Neurotrophins: Characterization, Distribution, and Neuronal Specificity of NGF-Related Neurotrophic Factors." Bernard Snell Hall, Mackenzie Health Sciences Centre.
20 November, 11 am
Story C Landis, chairman, Department of Neuroscience, Case Western Reserve University, "Target Regulation of Neuronal Phenotype." Bernard Snell Hall, Mackenzie Health Sciences Centre.

20 November, 2 pm
Josef P Kapfhammer, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology, "Inhibitors of Neurite Growth from Oligodendrocytes: Possible Roles in Regeneration and Development of the Mammalian Central Nervous System." Bernard Snell Hall, Mackenzie Health Sciences Centre.

20 November, 3:15 pm
Albert J Aguayo, Neurosciences Unit, The Montreal General Hospital Research Institute, "Degeneration and Regeneration in the Injured Retinotectal System of Adult Rodents." Bernard Snell Hall, Mackenzie Health Sciences Centre.

CANADIAN FEDERATION OF UNIVERSITY WOMEN - EDMONTON

19 November, 7:30 pm
Pat Campbell, coordinator of PROSPECTS, Adult Literacy Program, Edmonton Public Schools, "Flight to Freedom: Adult Literacy." Faculty Club.

INTERNATIONAL CENTRE

20 November, 12:30 pm
Terry Carson, "In Pursuit of an Education of Hope." 172 HUB International.
21 November, noon
Sikhumbuzo Maqubela, "Enforcing Apartheid: Militarism in South Africa." 172 HUB International.

25 November, 1:30 pm
Wanjiku Kironyo, director, Kenyan agency Social, Economic Development Services, and project director, Mathare Valley Self-Sufficiency Scheme, "Global Awareness Programs." 172 HUB International.

27 November, 12:30 pm
Fred Wolfe, "Militarism and its Effects on Food Production and Distribution." 172 HUB International.
28 November, noon
Daniel de Guzman, "Waging Peace in the Philippines." 172 HUB International.

COMMITTEE FOR THE IMPROVEMENT OF TEACHING AND LEARNING

20 November, 3:30 pm
Patricia Rempel and Terry Butler, "The Cornucopia of Academic Information." 1-20F Cameron Library Classroom.
21 November, noon
Leslie Aitken, "Books for the Desert Island: How to Select a Textbook That Will Both Instruct and Enchant." TB-W2 Tory Building.

PHYSICAL EDUCATION AND SPORT STUDIES

21 November, 4 pm
DJ Harris, "Dance Research: Current Focus and Future Directions." E-120 Van Vliet Centre.

ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

22 November, 11 am
Thomas M Wolever, assistant professor, Department of Nutritional Sciences, Faculty of Medicine, University of Toronto, "Metabolic Implication of Slowly Absorbed Carbohydrates and Colonic Fermentation." 2J4.02 Mackenzie Health Sciences Centre.

LIMNOLOGY AND FISHERIES DISCUSSION GROUP

22 November, 12:30 pm
Peter Kuhry, "Environmental Factors Influencing Holocene Peatland Development." M-149 Biological Sciences Building.
29 November, 12:30 pm
David Schindler, "The Role of DOC in Synchronizing Aquatic Chemical Cycles." M-149 Biological Sciences Building.

SOIL SCIENCE

22 November, 12:30 pm
SP Wani, International Crops Research Institute for the Semi-Arid Tropics, India, "Understanding the Mechanisms of Changes in Soil in Agro-Ecosystem." 2-36 Earth Sciences Building.
29 November, 12:30 pm
Doug Maynard, project leader, Environmental Effects Northern Forestry Centre, Forestry Canada, "Macronutrient Dynamics in a Soil-Young Aspen System Following Herbicide Application." 2-36 Earth Sciences Building.

CANADIAN STUDIES AND WOMEN'S STUDIES

22 November, 12:30 pm
Pauline Greenhill, Canada Research Fellow, University of Waterloo, "A Good Start: Popular Interpretations of the Montreal Massacre." 4-29 Humanities Centre.

MUSIC

22 November, 3:30 pm
Violet Archer, "Folk Song as Creative Stimulus: *Evocations* for Two Pianos and Orchestra." 2-32 Fine Arts Building.

COMPARATIVE LITERATURE

22 November, 3:30 pm
Paisley Livingston, Department of English, McGill University, "The Rationality of Fiction: The Pragmatics of Poe's Mesmeric Tales." 5-20 Humanities Centre.
23 November, 3 pm
Professor Livingston, "Narrative Characterization and Models of Agency." Senate Chamber, Arts Building.

THIRD ANNUAL JONES MEMORIAL LECTURE IN DEAFNESS

22 November, 7:30 pm
Roger Carver, executive director, Total Communication Deaf Children's Society of British Columbia, "Deafness and Literacy: The Hidden Agenda. A Hobson's Choice." 2-115 Education North.

CANADIAN INSTITUTE OF UKRAINIAN STUDIES

23 November, 7:30 pm
Frank Sysyn, "Ukrainian Historical Research: Tasks and Perspectives." Heritage Lounge, Athabasca Hall.

LAW

24 November, 9:30 am
Saturday Morning at the Law School—"Wills and Estates." Information: 492-3115. Law Centre.

FAMILY STUDIES

26 November, 2 pm
Carol Morgaine, "A Phenomenological Approach to Transforming Practice in Early Childhood and Family Life Education." 357 Assiniboia Hall.

CONTEMPORARY CULTURAL ISSUES

28 November, 4 pm
Margaret Ann Armour, "The Culture of Science: How it Influences One Woman's Thought." L-3 Humanities Centre.

ARTS

EXHIBITIONS

MCMULLEN GALLERY

Until 30 November
"Traditional Arts of Japan"—selected examples of traditional art, craft and Japanese culture. Call for Gallery hours, 492-8428 or 492-4211. Walter C Mackenzie Health Sciences Centre.

SPORTS

16 November, 6:15 pm
Volleyball—Pandas vs University of Victoria
16 November, 8 pm
Volleyball—Bears vs University of Victoria
17 November, 6:15 pm
Volleyball—Pandas vs University of Victoria
17 November, 8 pm
Volleyball—Bears vs University of Victoria

CURRENTS

GENERAL FACULTIES COUNCIL

GFC's next meeting is scheduled for *Monday, 19 November, at 2 pm* in the University Hall Council Chamber.

1. Approval of the Agenda
2. New Members of GFC 1990-91
New Business
3. University of Alberta Mission Statement
4. Other Business

CAMPUS REVIEWS

As part of the process of carrying out systematic reviews under the guidance of the President's Advisory Committee on Campus Reviews (PACCR), the *Department of Dental Health Care* is completing the self-study phase of the review process. The other major phase of the process is the site visit and assessment by the Unit Review Committee on 5, 6 and 7 December. In preparation for this second phase, PACCR invites written comment before 5 December. Submissions are for the use of the Unit Review Committee and will be held in confidence by the members of that committee.

Submissions should be sent to: Mrs Shirley Moore, Coordinator, PACCR Office W4-13 Chemistry Building, Attention: Department of Dental Health Care Unit Review Committee.

PROFESSIONAL DEVELOPMENT FOR APOS

Topic: "Campus Security - Disruptive Conduct."

Date: Thursday, 22 November.

Time: 10:30 am-1 pm.

Location: MAP Room, Lister Hall.

Fee: \$15 per person (covers materials and luncheon). Fee is claimable from Professional Expense Allowance (or the Central Professional Development Fund for those who are eligible to claim from it). It is nonrefundable but may be applied to replacements.

Registration deadline: 15 November. Call Gail at 492-2796. Limited enrollment. While this workshop is directed at APOs and academic administrators, other interested staff are welcome, space permitting.

Speakers: Introduction: Doug Langevin, Director, Campus Security.

Panelists: Lois Stanford, Vice-President (Student and Academic Services); Jim Robb, Faculty of Law; Gretchen Hess, Educational Psychology; Inspector Dick Bevan, Edmonton City Police; Ken Hollington, Mount Royal College, Department of Criminology.

CAPITAL EQUIPMENT PURCHASES

A program exists to provide the carry-over of unspent capital equipment funds into the next budget year. This carry-over is limited to the lesser of 15 percent of the departmental capital equipment budget or \$50,000. Where the balance of unexpended funds is sufficient, commitments incurred by purchase orders placed before 31 December 1990 will be allocated a carry-over equivalent to the amount of the commitment.

Where the balance of the unexpended and/or uncommitted capital equipment budget is currently in excess of the foregoing limits, staff are urged to place the purchase orders for their further needs now to help ensure that delivery is effected before 31 March 1991. The program will not provide a carry-over in relation to commitments by purchase orders placed later than 31 December 1990 other than in instances where a well-documented justification of circumstances merits exception.

Application for exceptions should be submitted to the attention of D Grover, Office of the Comptroller (telephone 492-5894). Final approval on capital equipment carryovers remains with the Associate Vice-President (Facilities), Dr DG Bellow.

Unexpended funds in excess of the limiting factors will lapse into a Capital Equipment Contingency Account.

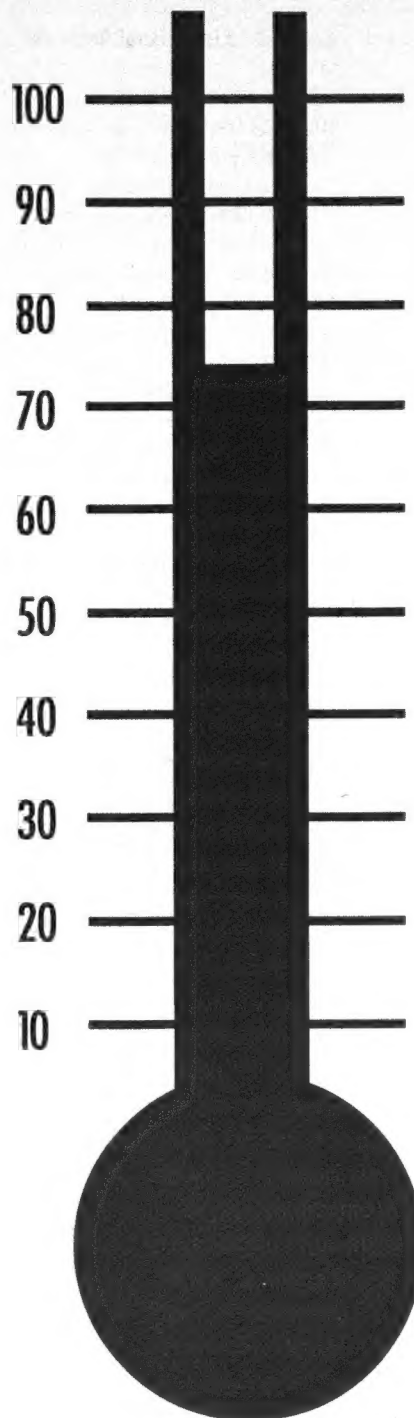
INTRODUCTION TO ONLINE SEARCHING IN THE SCIENCES

What: Do-it-yourself searching of key science databases. In the lecture both the theory and mechanics of formulating and executing a search of computerized indexes and abstracts will be discussed. The lab session puts these skills into practice on databases and topics of your choice.

Who: Faculty members or other staff who are directly involved in teaching or research.

When and where: Lecture: Wednesday, 21 November, 2-4 pm, 303 Cameron Library. Labs: Thursday, 22 November, one hour between 6 and 9 pm (lecture attendance prerequisite to lab).

To register: Contact Rose Thorvaldson, Science Library, at 492-2728 to sign up for the lecture. Sign up for the lab at the lecture. There is no charge for the lecture or for first-time lab attendees.



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\$162,500

\$92,550



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On behalf of the United Way, President Paul Davenport, AAS:UA President Fred Van de Pitte, GSA President Stephen Downes, and SU Vice-President (Internal) Marc Dumouchel will serve hot chocolate in the CAB Quad Thursday, 22 November.

The noon hour event has a dual purpose: meet the leaders and support the United Way.

Energy Awareness Week runs 18-24 November

It's the time of year when a reminder about the benefits of using energy wisely is in order.

Recent events in the Middle East have raised both people's awareness that energy is still a scarce commodity and the prices at the pumps. Governments are again talking about rationing energy, something that was discussed a lot in the late '70s and early '80s.

Each of us can do a bit to help the situation, examples being the turning off of classroom and office lights when we leave, the

use of efficient modes of transportation to and from work and the lowering of the thermostat when we leave for work in the morning and at night when we sleep.

Watch the local dailies for details about activities planned for Energy Awareness Week.

If you have some suggestions on how the University can reduce energy consumption, jot them down and forward them to the Office of Energy Management, Department of Physical Plant, 420 General Services Building.

POSITIONS

The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.

ACADEMIC

ASSISTANT TO THE DEAN, FACULTY OF HOME ECONOMICS

Applications are invited for the position of Assistant to the Dean, Faculty of Home Economics. This is an Administrative Professional Officer position that has 432 Hay points and a salary range of \$31,942 to \$47,926 per year. The Faculty has three departments, each with undergraduate, graduate and research programs.

Reporting to the Dean, the Assistant to the Dean is responsible for establishing and maintaining an administrative support system for the Dean's office and the three departments. Emphasis is placed upon acting as the chief resource person to the Dean and the Department Chairs on faculty and university policies and procedures. Responsibilities include financial planning and control, personnel management, space planning, and development and implementation of policies and administrative guidelines.

Qualified applicants must have university experience, preferably as an APO. Computer literacy is expected. This position requires a person who is tactful, proactive, and works well as part of a management team.

Applications, including a résumé and the names of three references, should be forwarded to: Dr E Murray, Dean, Faculty of Home Economics, 115 Home Economics Building, University of Alberta, Edmonton, Alberta T6G 2M8.

The application deadline is Monday, 26 November 1990.

SUPPORT STAFF

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 9 November 1990. For a more up-to-date listing, please consult the weekly *Employment Opportunities Bulletin* and/or the postings in PSSR.

Positions available as of 9 November 1990.

The salary rates for the following positions reflect adjustments in accordance with the terms for the implementation of the new classification system and pay plan.

ADMINISTRATIVE CLERK, Grade 5, (Term to 19 November 1991), University Computing Systems (\$1,784-\$2,210)

SECRETARY, Grade 5, Faculty of Business (Placement Services), (\$1,784-\$2,210)

ACCOUNTS CLERK, Grade 6 (Part-time), Drama, (\$1,171-\$1,460) (prorated)

PROGRAMMER ANALYST, Grade 7, Graduate Studies and Research, (\$2,125-\$2,663)

PLANT OPERATOR II (Term), Grade 7, Physical Plant (Utilities Division), (\$14.01-\$17.56/hour)

Ads

LABORATORY

TECHNOLOGIST, Grade 8,
Provincial Laboratory, (\$2,296-
\$2,895

PROGRAMMER ANALYST

(Communications), Grade 9,
University Computing Systems,
(\$2,484-\$3,152)

TECHNOLOGIST, Grade 11,
Civil Engineering, (\$2,867-\$3,679)

*The following positions retain
salary rates in accordance with the
old classification system and pay
plan.*

CLERK STENO III (Half-Time/
Trust), Physiology, (\$752-\$949)
(prorated)

CLERK STENO III (Trust),
Medicine (Dermatology and
Cutaneous Sciences), (\$1,505-\$1,890)

TECHNICIAN I (Trust/Term to
31 March 1991) (Part-time), Oral
Biology, (\$1,043-\$1,340) prorated)

TECHNICIAN I (Trust),
Pediatrics, (\$1,738-\$2,234)

TECHNICIAN I/III (Trust),
Pediatrics, (\$1,738-\$2,537)

TECHNICIAN II (Trust/Term to
August 1991) (Curatorial Assistant),
Museums and Collections Services,
(\$1,973-\$2,537)

TECHNOLOGIST I (Trust),
Animal Science, (\$2,143-\$3,018)

TECHNOLOGIST I, (Trust/Term
to 1 June 1991), Applied Sciences in
Medicine, (\$2,143-\$2,765)

BIOCHEMISTRY

TECHNOLOGIST I/III (Trust),
Biochemistry, (\$2,143-\$3,018)

BIOCHEMISTRY

TECHNOLOGIST II (Trust),
Biochemistry, (\$2,330-\$3,018)

PROGRAMMER ANALYST II,
(Trust/Term to 31 March 1991),
Computing Science, (\$2,537-\$3,297)

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River view. \$1,500/month, 1
December. Western Relocation,
434-4629.

RENT - Adult community condo.
Two bedrooms plus den, close mall,
furnished. 15 November for three
months plus. \$950/month. Western
Relocation, 434-4629.

SALE - Exceptional, 1,400 square
foot, Duggan bungalow. Many extras
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developed basement. Reduced to
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RENT - Large, furnished, 1/2
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July/August (flexible). Rent very
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SALE - View property, Rowland
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433-5664, Spencer Realty.

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